



PTO/SB/08a/b (07-06)
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Substitute for form 1449A/B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/593,851
		Filing Date	September 22, 2006
		First Named Inventor	Chaim M. Roifman
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet 1 of 7	Attorney Docket Number	LYMF-P04-007	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-2,798,881	07-09-1957	Baer et al.	
	AB	US-3,047,606	07/1962	Wadsworth	
	AC	US-3,125,597	03-17-1964	Wahl et al.	
	AD	US-3,718,472	02-27-1973	OLIVER ET AL.	
	AE	US-3,852,683	12-03-1974	Webster et al.	
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	BE	EP 0 731 697	09-18-1996		
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	BM	WO-95/14464	06-01-1995		
	BN	WO-94/10157	05-11-1999		

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	BF1	WO-01/79158-A2	10-25-2001	HSC Research and Development Limited Partnership	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied under 37 CFR 1.98(a)(2)(iii) because that application was filed after June 30, 2003 or is available in the IFW. * Applicant's unique citation designation number (optional). * See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP §01.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		†
	CA	Abdel-Rahman (1991). "Inverse electron demand Diels-Alder reactions of electron-withdrawing-group-substituted 1,3-butadiene derivatives with enamines. Synthesis of cyclohexene derivatives," M.A. Sohay Pure Appl. Sci. Bull. 7:30-40, ACS abstract AN 118:212527 CA only.		
	CB	Adachi, T. et al. (1999). "A Novel Lyn-Binding Peptide Inhibitor Blocks Eosinophil Differentiation, Survival, and Airway Eosinophilic Inflammation," Journal of Immunology 163:939-946.		
	CC	Astle, M.J. and Gergel, W.C. "Catalysis with ion exchange resins. Knoevenagel condensations of cyanoacetic acid," Chemical Abstracts 51:2641g.		
	CD	Balalaie, S. and Nemati, N. (2000). "Ammonium acetate-basic alumina catalyzed Knoevenagel condensation under microwave irradiation under solvent-free condition," Synthetic Communications 30(5):869-875.		
	CE	Bandgar, B.P. et al. (1997). "Condensation of alpha-cyanothioacetamide with aldehydes catalyzed by Envirocatal EPZG," Synthetic Communications 27(7):1153-1156.		
	CF	Banerjee PK and Amidon GL. (1985). "Design of prodrugs based on enzymes-substrate specificity," In Design of Prodrugs, Bundgaard H, ed. Elsevier: New York, pp. 93-133.		
	CG	Cabello, J.A. et al. (1984). "Knoevenagel Condensation in the Heterogeneous Phase Using AlPO4-Al2O3 as a New Catalyst," Journal of Organic Chemistry 49(26):5195-5197.		
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		Attorney Docket Number	LYMF-P04-007
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CH	Chen, J.J. and Wang I.J. (1995). "Synthesis and Fluorescence Behaviour of Some 3-Cyano-4-Substituted-6-Pyrenyl-2-Pyridone Derivatives," <i>Dyes and Pigments</i> , 27(3):249-259.	
CI	Choudary, B.M. et al. (1999). "Knoevenagel and aldol condensations catalysed by a new diamino-functionalized mesoporous material," <i>Journal of Molecular Catalysis A: Chemical</i> 142(3):361-365.	
CJ	Conqueret, Xavier (1999). "Photoreactivity of polymers with dimerizable side-groups: Kinetic analysis for probing morphology and molecular organization," <i>Macromolecular Chemistry and Physics</i> 200:1567-1579.	
CK	Costisella, B., Gross, H. (1984). "alpha-Substituted phosphonates. 46. 1-Cyanodiene-1-amines and 1-cyanotriene-1-amines via the Homer reaction," <i>Z. Chem.</i> 24(10):383-384 (in German) and <i>ACS Abstract AN 103:6414 CA</i> .	
CL	Dai, C. et al. (1982). "Structural effect in forked conjugative systems, Bifurcation-type of forked polyenic nitriles, carboxylic acids and esters," <i>Scientia Sinica. Series B, Chemical, biological, agricultural, medical & earth sciences / Chung-kuo K'o hshueh yuan, chu pan.</i> (Engl. ed.) 25(10):1023-1034.	
CM	Database Crossfire Beilstein 'Online Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 1954179 (BRN), XP002179056	
CN	Database Crossfire Beilstein 'Online Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 1959697 (BRN), XP002179057	
CO	Database Crossfire Beilstein 'Online Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 1983526 (BRN), XP002179052	
CP	Database Crossfire Beilstein 'Online Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 2329569 (BRN), XP002179053	
CQ	Database Crossfire Beilstein 'Online Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 2331300 (BRN), XP002179051	
CR	Database Crossfire Beilstein 'Online Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 5905971 (BRN), XP002179055	
CS	Database Crossfire Beilstein 'Online Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 6696684 (BRN), XP002179054	
CT	DeLombaert, S. and Ghosez, L. (1984). "Synthesis and phase-transfer mediated alkylations of 2-Diethylamino-4-Phenylsulfonyl-2-butenenitrile an efficient homoenoate equivalent," <i>Tetrahedron Letters</i> 25:3475-3478.	
CU	DeSa, A.J., S.L. and Pitta, I. DaR (1979). "Synthesis and spectroscopic study of ethyl 2-cyano-5-phenyl-2,4-pentadienoate and two of its derivatives," <i>An. Assoc. Bras. Quim.</i> 30:113-116 (in Portuguese with English abstract) and <i>ACS Abstract AN 96:34120</i> .	
CV	Enk, A.H. and Knop, J. (2000). "T-Cell Receptor Mimic Peptides And Their Potential Application In T-Cell Mediated Disease" <i>Int Arch Allergy Immunol</i> 123:275-281.	
CW	Eugster, C.H. et al. "New type condensation reactions with isoxazoles-an extension of the Ritter reaction." <i>Chemical Abstracts</i> 59:585b.	
CX	Fausser A.A. and Messner H.A. (1978). "Granulocytopoietic Colonies In Human Bone Marrow, Peripheral Blood, And Cord Blood," <i>Blood</i> , 52(6), 1243-1248.	
CY	Foucaud, A. and Bakouetia, M. (1987). "Facile Epoxidation of Alumina-Supported Electrophilic Alkenes and Montmorillonite-Supported Electrophilic Alkenes with Sodium Hypochlorite," <i>Synthesis</i> 9:854-856.	

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Sheet	4	of	7	Attorney Docket Number	LYMF-P04-007

CZ	Freedman, M.H. et al. (1992). "Central Role Of Tumour Necrosis Factor, GM-CSF, and Interleukin 1 In The Pathogenesis Of Juvenile Chronic Myelogenous Leukaemia," Br J Haematol. 80(1):40-48.	
CA1	Freeman, F. (1980). "Properties and Reactions of Ylidenemalonitriles," Chem. Rev. 80:329-350.	
CB1	Frohardt, R. P. et al. "Chemistry of streptimidone. A new antibiotic," Chemical Abstracts 54:3192h	
CC1	Gazit, A. et al. (1991). "Tyrosinase. 2. Heterocyclic And Alpha-Substituted Benzylidenemalonitrile Tyrosinase As Potent Inhibitors Of EGF Receptor and ErbB2/neu Tyrosine Kinases," J. Med. Chem. 34:1896-1907.	
CD1	Grinstein, V. and Serina, L. (1963). "Cyanothioacetamide and its derivatives," Chemical Abstracts 60: 5391h.	
CE1	Halestrap, A.P. (1975). "The Mitochondrial Pyruvate Carrier. Kinetics and specificity for substrates and inhibitors," Biochemical Journal 148(1):85-96.	
CF1	Halestrap, A.P. (1976). "The Mechanism of the Inhibition of the Mitochondrial Pyruvate Transporter by alpha-Cyanocinnamate Derivatives," Biochemical Journal 156(1):181-183.	
CG1	Hassan, H.H. et al. (1986). "Some reactions of 2-Cinnamylidene and 2-Benzylidene-1,3-Indandione," Pak. J. Sci. Ind. Res. 29:105-107.	
CH1	Ho, Y.W. and Wang, I.J.J. (1995). "Studies on the Synthesis of Some Styryl-3-cyano-2(1H)-pyridine-thiones and Polyfunctionally Substituted 3-Aminothieno[2,3-b]-pyridine Derivatives," Journal of Heterocyclic Chemistry 32(3):819-825.	
CI1	Hu, Weixiao et al. (1985). "Differential pulse polarography on bifurcate conjugate systems. I. Homologous progressive change of the peak potential," Fenzi Kexue Yu Huaxue Yanjiu 5(1)87-92, ACS Abstract AN 104:5348 CA only.	
CJ1	Ichimura, K. et al. (1987). "Photosensitive Resins Containing p-Dimethylaminobenzylidene Derivatives and Diphenyliodonium Salt as Photoinitiators," Journal of Applied Polymer Science 34(8):2747-2756.	
CK1	Iizawa, T. et al. (1983). "Studies of photopolymer. XX. Synthesis of photosensitive polymers with pendant photosensitive groups and photosensitizer groups," Kobunshi Ronbunshu 40:425-432 QD 281 P6 K752 (in Japanese with English abstract) and ACS Abstract AN 99:123029 CA.	
CL1	Jukhnovskii, I. and Binev, I. (1977). "Infrared Spectra and Structure of Carbanions - XIV. Isomeric Carbanionic adducts of some substituted cyano-polyenes," Bulletin des Societes Chimiques Belges 86(10):793-798.	
CM1	Kantam, M.L. et al. (1998). "Aldol and Knoevenagel condensations catalysed by modified Mg-Al hydrotalcite: a solid base as catalyst useful in synthetic organic chemistry," Chemical Communications (Cambridge England) 9:1033-1034.	
CN1	Kasyapa, C. S. et al. (1999). "Regulation of IL-15-Simulated TNF-alpha Production by Rolipram," Journal of Immunology 163:2836-2843.	
CO1	Konwar, D. et al. (1998). "Organic Synthesis with Anion-exchange Resins: Reaction of Imines with Active Methylene Compounds," Journal of Chemical Research Synopsis 6:342-343.	
CP1	Krishan, K. and Singh, N. (1974). "Reactions of Open-Chain Conjugated Nitrones with Active Methylene Compounds," J. Indian Chem. Soc. 51(9): 802-804.	
CQ1	Kryshnal, G.V. et al. (1980). "New possibilities for the synthesis of polyfunctional cyclopropanes under interphase catalysis conditions in a liquid-solid phase system," Izvestia Akademii nauk SSSR Seriya khimicheskaya 10:2420-2423 (in Russian) and ACS Abstract AN 94:46812 CA.	
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CS1	Kurkovskaja, L.N. et al. (1995). "H and ¹³ C NMR Spectrum-Structure correlations for a series of polyene compounds," Zhurnal Strukturnoi Khimii, English, Journal of Structural Chemistry 36(4):636-642.		
CT1	Lechat, J.R. et al. (1981). "Ethyl 2-Cyano-5-phenyl-(2E,4E)-pentadienoate," Acta Crystallographica Section B: Structural Science B37(7):1470-1471.		
CU1	Li, J.-T. et al. (1999). "Synthesis of ethyl alpha-cyanocinnamates under ultrasound irradiation," Ultrasonics Sonochemistry 6(4):199-201.		
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CW1	Lin, T. et al. (1993). "Transition metal polyhydrides-catalyzed addition of activated nitriles to aldehydes and ketones via Knoevenagel condensation," Journal of Organometallic Chemistry 448(1-2): 215-218.		
CX1	Martelli, J. and Carrie, R. (1977). "Reaction of cinnamylidenemalononitrile esters or cinnamylidene cyanoacetic esters and the corresponding malononitriles with diazomethane; thermolysis of the corresponding pyrazolines," Bulletin de la Societe Chimique de France 11-12, Pt. 2:1182-1186 (in French) and ACS Abstract AN 69:43222 CA.		
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CB2	Messner H. A. and Fauser, A. A. (1980). "Culture Studies Of Human Pluripotent Hemopoietic Progenitors," Blut, 41(5): 327-333.		
CC2	Minami, T. et al. (1983). "Synthesis of Butadienylphosphonates containing electronegative substituents and their synthetic applications to functionalized cyclopentenylphosphonates," Tetrahedron Lett. 24(8):767-770.		
CD2	Minami, T. et al. (1985). "Cycloaddition of Diazomethane to Butadienylphosphonates. A New Approach of Functionalized Pentadienylphosphonates and Pyrazoles," Chem. Lett. 1985 8:1099-1102.		
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CI2	Piskov, V. B. (1967). "Tetracycline analogs. I. General preparation of beta-aryl-beta1-carboxymethylpimelic acids" Zhurnal Organicheskoi Khimii 3(2):416-419 (in Russian) and ACS Abstract AN 66:115418 CA.		
CJ2	Popp, F. and Catala, A. (1961). "Synthesis of 3-hydrozypyridines. II. The preparation of unsaturated cyano esters and their reaction with diazo-methane" J. Org. Chem. 26(8):2738-2740.		
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CK2	Prajapati D. and Sandhu, J.S. (1992). "Bismuth(III)chloride as a New Catalyst for Knoevenagel Condensation in the Absence of Solvent" Chemistry Letters. 10:1945-1946.
CL2	Prajapati, D. and Sandhu, J.S. (1993). "Lithium bromide as a new catalyst for carbon-carbon bond formation in the solid state" J. Chem. Soc., Perkin Transactions 1:959-960.
CM2	Prajapati, D. et al. (1993). "Cadmium Iodide as a New Catalyst for Knoevenagel Condensations," J. Chem. Soc., Perkin Transactions 1: 739-740.
CN2	Puccetti, G., Bott, S.G. (1998). "Efficient two-photon-induced fluorescence in a new organic crystal" J. Opt. Soc. Am. B. 15(2):789-901.
CO2	Pudovik, AN, Yastrebova, G.E., Nikitina, V.I. (1968). "Condensations of (cyanomethyl)Phosphonic Esters" Zh. Obshch. Khim. 39(2):301-305.
CP2	Rao, P.S. and Venkataratnam, R.V. (1991). "Zinc Chloride as a new catalyst for Knoevenagel condensation" Tetrahedron Letters 32:5821-5822.
CQ2	Rao, Y.V. and Choudary, B.M. (1991). "Knoevenagel condensation catalysed by new montmorillonitesilylpropylethylenediamine" Synthetic Communications 21(10-11):1163-1166.
CR2	Roucoux, C. et al. (1981). "Photochemistry of Polymeric Systems. III. Photocrosslinking of Polymers and Copolymers Including Cyanocinnamylidene-Pyridinium Groups" Journal of Applied Polymer Science 26(4):1221-1232.
CS2	Row, T.N. et al. (1983). "Reversible Photodimerization of Phenylbutadienes in the Solid State" Tetrahedron Letters 24:3263-3266.
CT2	Ruckert, R. et al. (2000). "Inhibition of Keratinocyte Apoptosis by IL-15: A New Parameter in the Pathogenesis of Psoriasis?" Journal of Immunology 165:2240-2250.
CU2	Sabitha, G. et al. (1998). "LiCl Catalyzed Knoevenagel Condensation: Comparative Study of Conventional Method vs. Microwave Irradiation" Chemistry Letters 8:773-774.
CV2	Schroder et al., "Arzneimittelchemie passage," Arzneimittelchemi Grundlagen Narven Muskein und Gewebe pages 30-33 (1976)
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Examiner Signature	Date Considered

PTO/SB/08a/b (07-06)

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Substitute for form 1449A/B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/593,851
		Filing Date	September 22, 2006
		First Named Inventor	Chaim M. Roifman
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	LYMF-P04-007
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Yevgeny Valenrod/	Date Considered	04/14/2008
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /YV/
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